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Maine Agricultural Experiment Station

BULLETIN No. 146. OCTOBER, 1907.

FERTILIZER INSPECTION.

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This bulletin contains the analyses of samples collected by the Station of the brands of fertilizers licensed in 1907.

Requests for bulletins should be addressed to the
AGRICULTURAL EXPERIMENT STATION,
Orono, Maine.

MAINE

AGRICULTURAL EXPERIMENT STATION

ORONO, MAINE.

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FERTILIZER INSPECTION.

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The law regulating the sale of commercial fertilizers in this State calls for two bulletins each year. The first of these contains the analyses of the samples received from the manufacturer guaranteed to represent, within reasonable limits, the goods to be placed upon the market later. The second bulletin contains the analyses of the samples collected in the open market by a representative of the Station.

The analyses of the manufacturers' samples for this year were published in March. A number of samples were received so late that the analyses could not be included in the bulletin then issued. The results of these analyses are given in the tables on page 221.

In the tables (pages 206 to 220) the analyses of the samples of commercial fertilizers collected in the open market in the spring of 1907 by the Station representative are given. As far as possible two samples of each brand were taken, an effort being made to get the duplicate from a distinct lot of the same brand in a different part of the State. For the most part the samples were taken in the large warehouses where a large amount of the goods were stored as received from the factory. They were taken in almost every instance from a large number of packages and in the presence of a representative of the manufacturers.

So far as different lots were found by the inspector two analyses of the same brand are given in the tables. A few brands that were licensed were not actually shipped into the State and in two or three instances the inspector failed to find the brands in the hands of the dealers or agents.

During the years immediately following 1895 there was a tendency to the multiplication of brands. At present it is only rarely that a company that has been doing business in the State for years offers a new brand. With the growth of the sale of fertilizers in the State, companies that formerly did no business in Maine are now sending their goods to the State. This of course results in an increase in the number of brands. While it is unfortunate that so many farmers buy fertilizers from a name rather than from the amount of plant food contained in the fertilizer, it is gratifying that brands are not being unnecessarily multiplied. There has been a constant increase from the 20 brands licensed in 1885 to 200 or more brands of complete manures and single ingredient chemicals licensed in 1907.

When the manufacturers first put their goods upon the market, recognizing the difficulty of accurate mixing, they placed a somewhat elastic guarantee upon them. For instance, potash might be guaranteed 4 to 5 per cent and for the most part the goods would carry 4.5 per cent of potash. As competition became closer and the process of manufacture became somewhat more trustworthy, the manufacturers worked closer and closer to the minimum guarantee so that at present it rarely happens that high grade fertilizers carry much above the minimum percentages of nitrogen and potash, the more costly constituents of a fertilizer. If this were the whole story there would be nothing to complain of, but up to the present year there has been an increasing tendency to fail to maintain the goods up to their minimum guarantee.

For the most part these are slight and generally in only one constituent. It also usually happens that the other constituents are in sufficient excess to preclude any idea of intention on the part of the manufacturer not to live up to the guarantee. Usually the trouble is due to incomplete mixing. For instance, in some formulas not more than 100 pounds of nitrate of soda are used per ton. Nitrate of soda is a crystalline material and it is difficult to so completely powder it and thoroughly incorporate it in the goods that the sample drawn in the inspector's tube shall have its just amount—neither too much nor yet too little. To try to meet this difficulty, the samples are taken from a large number of packages and the final sub-sample is taken with the greatest care. It is because of the difficulty of accurate sampling of fertilizers that the Station only undertakes the analysis of samples taken by its inspector, and employs an experienced chemist who from his laboratory experience fully recognizes the importance and difficulties of correct sampling.

It is only fair to the manufacturers to say that probably no class of goods are more nearly sold on their merits than are commercial fertilizers. So far as the writer knows, there has not been a case in 10 years that could be called a wilful attempt on the part of a maker of fertilizers sold in Maine to defraud.

THE COMPARISON OF STATION ANALYSES FOR THREE YEARS.

It is important that the purchaser of fertilizers should know the analyses not merely for the current year but as a guide for future purchase to know how they have run for several years. The tables on pages 206 and following of this bulletin, show how the samples collected by the Station inspector in 1907 compare with the guarantees. The tables beginning on page 222 give the analyses, so far as total nitrogen, available phosphoric acid and potash are concerned, for the years 1905, 1906, and 1907. When the guarantees have been changed from that of previous years, the fact is indicated by a foot note.

In studying the table of comparisons of the analyses of Station samples for three years, it will be found that many goods run quite uniform year after year. This is particularly true as regards phosphoric acid, and this is readily understood when it is remembered that the superphosphate is the starting point and that the materials furnishing nitrogen and potash are usually added to this. The potash and nitrogen are the more expensive substances in fertilizers and the more difficult to mix and hence greater variation is found in these contituents.

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
	AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.
1092	A. A. C. Co.'s Aroostook Complete Manure........................
1232	A. A. C. Co.'s Aroostook Complete Manure........................
1090	A. A. C. Co.'s Aroostook High Grade..............................
1054	Bradley's Alkaline Bone with Potash..............................
1253	Bradley's Alkaline Bone with Potash..............................
1056	Bradley's Complete Manure with 10% Potash......................
1168	Bradley's Complete Manure with 10% Potash......................
1049	Bradley's Complete Manure for Potatoes and Vegetables............
1055	Bradley's Corn Phosphate..
1167	Bradley's Corn Phosphate..
1255	Bradley's Corn Phosphate..
1045	Bradley's Eureka Fertilizer..
1155	Bradley's Eureka Fertilizer..
1256	Bradley's Eureka Fertilizer..
1046	Bradley's XL Superphosphate of Lime..............................
1154	Bradley's XL Superphosphate of Lime..............................
1242	Bradley's XL Superphosphate of Lime..............................
1047	Bradley's Niagara Phosphate......................................
1130	Bradley's Niagara Phosphate......................................
1051	Bradley's Potato Fertilizer..
1169	Bradley's Potato Fertilizer..
1246	Bradley's Potato Fertilizer..
1048	Bradley's Potato Manure...
1175	Bradley's Potato Manure...
1050	Clark's Cove Bay State Fertilizer................................
1262	Clark's Cove Bay State Fertilizer................................
1039	Clark's Cove Bay State Fertilizer G. G...........................
1165	Clark's Cove Bay State Fertilizer G. G...........................
1029	Clark's Cove Defiance Complete Manure...........................
1267	Clark's Cove Defiance Complete Manure...........................
1020	Clark's Cove Great Planet Manure, A. A...........................
1268	Clark's Cove Great Planet Manure, A. A...........................
1074	Clark's Cove King Philip Alkaline Guano..........................
1118	Clark's Cove King Philip Alkaline Guano..........................
1261	Clark's Cove King Philip Alkaline Guano..........................
1040	Clark's Cove Potato Fertilizer....................................
1174	Clark's Cove Potato Fertilizer....................................
1041	Clark's Cove Potato Manure.......................................
1172	Clark's Cove Potato Manure.......................................
1028	Cleveland Fertilizer for All Crops...............................
1052	Cleveland High Grade Complete Manure............................
1069	Cleveland Potato Phosphate.......................................
1157	Cleveland Potato Phosphate.......................................
1035	Cleveland Superphosphate ....

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available.		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1092	1.54	1.28	2.82	2.47	3.43	2.77	2.04	6.20	6.00	8.24	......	9.71	10.00
1232	1.38	1.34	2.72	2.47	3.19	3.55	2.03	6.74	6.00	8.77	.....	10.09	10.00
1090	1.50	2.86	4.36	4.12	3.91	3.14	2.35	7.05	7.00	9.40	......	6.63	7.00
1054	......	......	......	......	3.35	6.79	4.17	10.14	11.00	14.31	12.00	2.12	2.00
1253	......	......	......	......	4.02	6.02	3.89	10.04	11.00	13.93	12.00	2.06	2.00
1056	1.66	1.60	3.26	3.30	4.38	2.82	1.28	7.20	6.00	8.48	7.00	9.98	10.00
1168	2.14	1.20	3.34	3.30	2.41	3.18	3.24	5.59	6.00	8.83	7.00	9.55	10.00
1049	1.88	1.44	3.32	3.30	5.01	3.05	1.98	8.06	8.00	10.04	9.00	6.68	7.00
1055	0.78	1.40	2.18	2.06	6.30	1.72	2.52	8.02	8.00	10.54	10.00	1.61	1.50
1167	1.33	1.05	2.38	2.06	4.35	2.90	2.87	7.25	8.00	10.12	10.00	1.77	1.50
1255	1.16	0.70	1.86	2.06	4.29	3.50	2.41	7.79	8.00	10.20	10.00	1.52	1.50
1045	0.66	0.64	1.30	1.03	6.03	3.55	2.55	9.58	8.00	12.13	10.00	2.33	2.00
1155	0.64	0.54	1.18	1.03	6.66	3.15	2.59	9.81	8.00	12.40	10.00	2.45	2.00
1256	0.69	0.54	1.23	1.03	5.26	2.63	2.11	7.89	8.00	10.00	10.00	1.81	2.00
1046	1.42	1.36	2.78	2.50	2.31	7.24	2.04	9.55	9.00	11.59	11.00	2.55	2.00
1154	1.61	1.18	2.79	2.50	6.12	3 21	2.10	9.33	9.00	11.43	11.00	2.01	2.00
1242	1.42	1.16	2.58	2.50	5.71	2.55	2.40	8.26	9.00	10.86	11.00	2.23	2.00
1047	0.68	0.70	1.38	0.82	6.06	3.90	2.38	9.96	7.00	12.34	8.00	2.39	1.00
1130	0.66	0.54	1.20	0.82	4.27	3.59	2.58	7.86	7.00	10.44	8.00	2.13	1.00
1051	0.84	1.34	2.18	2.06	3.35	4.09	2.68	7.44	8.00	10.12	10.00	3.14	3.00
1169	0.74	1.58	2.32	2.06	4.42	3.52	2.58	7.94	8.00	10.52	10.00	3.31	3.00
1246	0.88	1.32	2.20	2.06	3.54	3.66	2.52	7.20	8.00	9.72	10.00	3.20	3.00
1048	1.08	1.54	2.62	2.50	5.26	2.16	1.89	7.42	6.00	9.31	8.00	6.73	5.00
1175	1.62	1.18	2.80	2.50	3.86	3.12	2.60	6.98	6.00	9.58	8.00	5.13	5.00
1050	1.36	1.40	2.76	2.50	6.30	2.57	2.29	8.87	9.00	11.16	11.00	2.46	2.00
1262	1 56	1.00	2.56	2.50	4.72	4.55	2.83	9.27	9.00	12.10	11.00	2.21	2.00
1039	0.71	1.36	2.07	2.06	5.56	2.11	2.58	7.67	8.00	10.25	10.00	1.58	1.50
1165	1.15	1.07	2.22	2.06	3.52	4.57	2.47	8.09	8.00	10.56	10.00	1.59	1.50
1029	0.58	0.70	1.38	0.82	3.63	3.73	2.68	7.36	7.00	10.04	8.00	2.00	1.00
1267	0.45	0.62	1.07	0.82	3.84	3.31	2.44	7.15	7.00	9.59	8.00	1.24	1.00
1020	1.86	1.60	3.46	3.30	5.93	2.76	1.94	8.69	8.00	10.63	9.00	7.04	7.00
1268	1.86	1.48	3.34	3.30	5.63	2.60	1.54	8.23	8.00	9.77	9.00	7.01	7.00
1074	0.64	0.78	1.42	1.03	3.92	3.50	2.49	7.42	8.00	9.91	10.00	2.16	2.00
1118	0.60	0.56	1.16	1.03	4.08	3.49	2.92	7.57	8.00	10.49	10.00	2.04	2.00
1261	0.50	0.56	1.06	1.03	4.96	2.37	2.46	7.33	8.00	9.79	10.00	1.77	2.00
1040	0.64	1.38	2.02	2.06	4.61	3.13	2.80	7.74	8.00	10.54	10.00	3.38	3.00
1174	0.73	1.62	2.35	2.06	4.93	2.68	2.54	7.61	8.00	10.15	10.00	3.33	3.00
1041	1.10	1.52	2.62	2.50	5.10	2.32	2.11	7.42	6.00	9.53	8.00	5.83	5.00
1172	1.45	1.22	2.67	2.50	4.06	2.95	2.69	7.01	6.00	9.70	8.00	5.06	5.00
1028	0.56	0.88	1.44	1.03	4.62	3.05	2.42	7.67	8.00	10.19	10.00	2.09	2.00
1052	1.62	1.78	3.40	3.30	4.86	3.02	2.35	7.88	8.00	10.23	9.00	6.75	7.00
1069	0.78	1.46	2.24	2.06	4.70	3.11	2.77	7.81	8.00	10.58	10.00	3.45	3.00
1157	1.40	0.86	2.26	2.06	4.75	2.78	2.69	7.53	8.00	10.22	10.00	3.48	3.00
1035	0.80	1.30	2.10	2.06	5.69	2.24	2.61	7.93	8.00	10.54	10.00	1.74	1.50

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
1136	Cleveland Superphosphate
1094	Crocker's Ammoniated Corn Phosphate
1095	Crocker's Aroostook Potato Special
1142	Crocker's Aroostook Potato Special
1098	Crocker's Grass and Oats Fertilizer
1243	Crocker's Grass and Oats Fertilizer
1144	Crocker's New Rival Ammoniated Superphosphate
1238	Crocker's New Rival Ammoniated Superphosphate
1105	Crocker's Potato, Hop and Tobacco Phosphate
1145	Crocker's Potato, Hop and Tobacco Phosphate
1093	Crocker's Special Potato Manure
1143	Crocker's Special Potato Manure
1032	Cumberland Potato Fertilizer
1125	Cumberland Potato Fertilizer
1163	Cumberland Seeding Down Manure
1027	Cumberland Superphosphate
1124	Cumberland Superphosphate
1288	Darling's Blood, Bone and Potash
1276	Fine Ground Bone
1084	Great Eastern General Fertilizer
1127	Great Eastern General Fertilizer
1102	Great Eastern Grass and Oats Fertilizer
1126	Great Eastern Grass and Oats Fertilizer
1100	Great Eastern High Grade Potato Manure
1166	Great Eastern High Grade Potato Manure
1236	Great Eastern High Grade Potato Manure
1081	Great Eastern Northern Corn Special
1085	Great Eastern Potato Manure
1082	High Grade Fertilizer with 10% Potash
1117	High Grade Fertilizer with 10% Potash
1252	High Grade Fertilizer with 10% Potash
1271	Lazaretto Corn Guano
1270	Lazaretto High Grade Potato Guano
1334	Lazaretto High Grade Potato Guano
1269	Lazaretto Propellor Potato Guano
1277	Nitrate of Soda
1329	Northern Maine Potato Special
1076	Pacific Dissolved Bone and Potash
1251	Pacific Dissolved Bone and Potash
1072	Pacific Grass and Grain Fertilizer
1121	Pacific Grass and Grain Fertilizer
1077	Pacific High Grade General Fertilizer
1030	Pacific Nobesque Guano
1131	Pacific Nobesque Guano
1070	Pacific Potato Special

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
	Soluble in water.	Insoluble in water.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.		
	%	%	%	%	%	%	%	%	%	%	%	%	%
1136	1.30	0.72	2.02	2.06	4.06	3.83	2.52	7.89	8.00	10.41	10.00	1.75	1.50
1094	1.74	1.56	2.30	2.06	6.38	1.74	2.72	8.12	8.00	10.84	......	1.55	1.50
1095	1.06	1.08	2.14	2.06	6.03	1.43	1.90	7.87	8.00	9.77	......	6.58	6.00
1142	1.24	1.02	2.26	2.06	5.15	2.96	2.11	8.11	8.00	10.23	......	7.61	6.00
1098	......	......	......	......	5.29	4.92	3.34	10.21	11.00	13.55	......	2.00	2.00
1243	......	......	......	......	3.68	6.34	4.55	10.02	11.00	14.57	......	2.12	2.00
1144	0.74	0.72	1.46	1.03	4.89	2.92	2.01	7.81	8.00	9.82	......	2.86	2.00
1238	0.54	0.54	1.08	1.03	5.52	2.59	1.96	8.11	8.00	10.07	......	2.02	2.00
1105	1.10	1.32	2.42	2.06	6.46	1.78	2.31	8.24	8.00	10.55	......	3.34	3.00
1145	1.33	0.82	2.15	2.06	3.86	4.07	2.49	7.93	8.00	10.42	......	3.45	3.00
1093	1.76	1.58	3.34	3.29	3.71	2.37	2.89	6.08	6.00	8.97	......	9.52	10.00
1143	1.73	1.60	3.33	3.29	4.37	2.85	2.26	7.22	6.00	9.48	......	10.01	10.00
1032	1.00	1.28	2.28	2.06	4.37	3.67	2.24	8.04	8.00	10.28	10.00	3.20	3.00
1125	1.55	0.81	2.36	2.06	4.89	3.02	2.61	7.91	8.00	10.52	10.00	3.33	3.00
1163	0.62	0.60	1.22	1.03	5.16	2.72	2.19	7.88	8.00	10.07	10.00	1.88	2.00
1027	0.76	1.36	2.12	2.08	5.93	2.47	2.31	8.40	8.00	10.71	10.00	1.74	1.50
1124	0.84	0.88	1.72	2.06	4.05	2.85	2.54	6.90	8.00	9.44	10.00	1.86	1.50
1288	2.12	2.08	4.20	4.10	4.37	2.85	1.71	7.22	7.00	8.93	8.00	8.76	7.00
1276	......	......	2.52	2.47	......	......	.....	......	......	22.92	22.80	......	......
1084	0.66	0.56	1.22	0.82	2.55	4.68	2.83	7.23	8.00	10.06	.....	4.33	4.00
1127	0.37	0.54	0.91	0.82	3.57	4.71	2.21	8.28	8.00	10.49	......	4.12	4.00
1102	......	......	......	......	3.84	6.06	4.13	9.90	11.00	14.03	......	2.00	2.00
1126	.....	......	......	......	4.81	6.15	2.78	10.96	11.00	13.74	......	2.76	2.00
1100	1.80	1.66	3.46	3.29	4.14	1.55	2.41	5.69	6.00	8.10	......	9.79	10.00
1166	2.17	1.22	3.39	3.29	2.77	3.21	2.72	5.98	6.00	8.70	.....	9.65	10.00
1236	2.61	0.85	3.46	3.29	2.98	2.15	3.49	5.13	6.00	8.62	......	9.45	10.00
1081	0.80	1.36	2.16	2.06	5.90	2.10	2.39	8.00	8.00	10.39	.....	1.92	1.50
1085	0.82	1.22	2.04	2.06	6.77	1.57	2.31	8.34	8.00	10.65	......	3.24	3.00
1082	1.48	1.20	2.68	2.40	4.38	1.95	3.63	6.33	6.00	9.96	7.00	9.61	10.00
1117	1.96	1.35	3.31	2.40	2.23	3.22	3.09	5.45	6.00	8.53	7.00	9.08	10.00
1252	1.38	1.11	2.49	2.40	3.47	2.53	2.31	6.00	6.00	8.31	7.00	9.88	10.00
1271	1.10	0.78	1.88	1.64	6.17	2.07	2.18	8.24	8.00	10.42	......	2.26	2.00
1270	2.11	1.19	3.30	3.29	2.79	3.56	2.35	6.35	6.00	8.70	......	9.96	10.00
1334	2.03	1.51	3.54	3.29	4.93	1.82	0.92	6.75	6.00	7.67	......	9.73	10.00
1269	0.93	1.37	2.30	2.06	4.10	3.20	2.42	7.30	8.00	9.72	......	6.40	6.00
1277	14.92	......	14.92	15.00	......	......	......	......	.....	......	......	......	......
1329	1.98	1.84	3.82	3.70	3.91	3.14	1.59	7.05	7.00	8.64	8.00	9.12	10.00
1076	......	......	......	......	3.83	6.50	3.76	10.33	10.00	14.09	11.00	2.18	2.00
1251	......	......	......	......	6.85	3.87	1.82	10.72	10.00	12.54	11.00	2.06	2.00
1072	0.72	0.78	1.50	0.82	4.14	3.46	3.00	7.60	7.00	10.60	8.00	2.11	1.00
1121	0.66	0.58	1.24	0.82	4.22	1.68	2.96	5.90	7.00	8.86	8.00	1.88	1.00
1077	1.46	2.04	3.50	3.30	4.67	3.64	2.40	8.31	8.00	10.71	9.00	6.78	7.00
1030	0.56	0.90	1.46	1.03	4.32	2.83	2.73	7.15	8.00	9.88	10.00	2.38	2.00
1131	0.55	0.60	1.15	1.03	4.13	3.52	2.49	7.65	8.00	10.14	10.00	1.88	2.00
1070	0.98	1.22	2.20	2.06	4.30	3.20	2.78	7.50	8.00	10.28	10.00	3.27	3.00

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
1245	Pacific Potato Special
1103	Packer's Union Animal Corn Fertilizer
1153	Packer's Union Animal Corn Fertilizer
1229	Packer's Union Animal Corn Fertilizer
1260	Packer's Union Economical Vegetable Guano
1091	Packer's Union Gardener's Complete Manure
1089	Packer's Union Potato Manure
1150	Packer's Union Potato Manure
1231	Packer's Union Potato Manure
1096	Packer's Union Universal Fertilizer
1106	Packer's Union Universal Fertilizer
1263	Packer's Union Universal Fertilizer
1083	Packer's Union Wheat, Oats and Clover Fertilizer
1152	Packer's Union Wheat, Oats and Clover Fertilizer
1208	Quinnipiac Climax Phosphate for All Crops
1119	Quinnipiac Corn Manure
1212	Quinnipiac Corn Manure
1215	Quinnipiac Market Garden Manure
1122	Quinnipiac Mohawk Fertilizer
1132	Quinnipiac Potato Manure
1210	Quinnipiac Potato Manure
1170	Quinnipiac Potato Phosphate
1211	Quinnipiac Potato Phosphate
1133	Read's Farmers' Friend Superphosphate
1026	Read's High Grade Farmers' Friend Superphosphate
1302	Read's High Grade Farmers' Friend Superphosphate
1034	Read's Potato Manure
1213	Read's Potato Manure
1303	Read's Potato Manure
1068	Read's Practical Potato Special Fertilizer
1149	Read's Practical Potato Special Fertilizer
1259	Read's Practical Potato Special Fertilizer
1129	Read's Standard Superphosphate
1254	Read's Standard Superphosphate
1038	Read's Sure Catch Fertilizer
1148	Read's Sure Catch Fertilizer
1043	Read's Vegetable and Vine Fertilizer
1073	Soluble Pacific Guano
1164	Soluble Pacific Guano
1037	Standard A. Brand
1135	Standard A. Brand
1036	Standard Bone and Potash
1151	Standard Bone and Potash
1071	Standard Complete Manure
1237	Standard Complete Manure

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available.		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1245	1.69	0.52	2.21	2.06	4.08	3.64	2.86	7.72	8.00	10.58	10.00	3.28	3.00
1103	1.37	1.40	2.77	2.47	6.01	2.68	2.79	8.69	9.00	11.48	......	2.76	2.00
1153	1.30	1.20	2.50	2.47	6.07	2.38	2.82	8.45	9.00	11.27	......	2.06	2.00
1229	1.54	0.99	2.53	2.47	5.39	3.57	3.20	8.96	9.00	12.16	......	2.28	2.00
1260	0.53	0.99	1.52	1.25	4.03	4.06	2.37	8.09	6.00	10.46	......	3.90	3.00
1091	1.42	1.22	2.64	2.47	3.91	2.30	2.35	6.21	6.00	8.56	......	9.53	10.00
1089	1.20	1.26	2.46	2.06	5.42	1.85	3.28	7.27	8.00	10.55	......	5.54	6.00
1150	1.14	1.14	2.28	2.06	5.07	2.79	2.29	8.04	8.00	10.33	......	6.82	6.00
1231	1.20	0.94	2.14	2.06	4.65	3.10	3.12	7.75	8.00	10.87	......	7.04	6.00
1096	0.62	0.62	1.24	0.82	2.39	5.93	2.60	8.32	8.00	10.92	......	3.80	4.00
1106	0.51	0.54	1.05	0.82	2.53	5.05	3.16	7.58	8.00	10.74	......	4.52	4.00
1263	0.52	0.50	1.02	0.82	3.87	4.38	2.27	8.25	8.00	10.52	.....	4.00	4.00
1083	......	......	......	......	5.18	6.03	2.77	11.21	11.00	13.98	......	2.21	2.00
1152	......	......	......	......	5.40	5.22	2.98	10.62	11.00	13.60	......	2.00	2.00
1208	0.66	0.50	1.16	1.03	5.36	2.69	2.04	8.05	8.00	10.09	10.00	1.82	2.00
1119	1.17	1.07	2.24	2.06	4.70	2.94	2.72	7.64	8.00	10.36	10.00	1.96	1.50
1212	1.22	0.96	2.18	2.06	3.52	4.54	3.11	8.06	8.00	11.17	10.00	1.77	1.50
1215	1.82	1.40	3.22	3.30	5.50	2.50	1.77	8.00	8.00	9.77	9.00	6.62	7.00
1122	0.62	0.60	1.22	0.82	4.13	2.97	3.10	7.10	7.00	10.20	8.00	1.57	1.00
1132	1.50	1.28	2.78	2.50	3.55	3.10	2.64	6.65	6.00	9.29	8.00	6.40	5.00
1210	1.40	1.24	2.64	2.50	3.87	3.42	2.15	7.29	6.00	9.44	8.00	5.98	5.00
1170	0.72	1.56	2.28	2.06	4.85	2.93	2.45	7.78	8.00	10.23	10.00	3.24	3.00
1211	1.31	0.98	2.29	2.06	3.87	3.68	3.03	7.55	8.00	10.58	10.00	3.10	3.00
1133	1.46	0.82	2.28	2.06	4.56	3.24	2.72	7.80	8.00	10.52	10.00	3.40	3.00
1026	1.70	1.66	3.36	3.30	2.81	4.01	2.55	6.82	6.00	9.37	7.00	10.06	10.00
1302	1.84	1.32	3.16	3.30	4.14	1.81	1.54	5.95	6.00	7.49	7.00	10.02	10.00
1034	1.34	1.36	2.70	2.40	3.43	2.88	2.09	6.31	6.00	8.40	7.00	9.42	10.00
1213	1.25	1.20	2.45	2.40	3.27	2.63	2.07	5.90	6.00	7.97	7.00	10.00	10.00
1303	1.46	0.95	2.41	2.40	5.67	1.85	2.12	7.52	6.00	9.64	7.00	9.59	10.00
1068	0.44	0.84	1.28	0.82	3.12	3.57	2.87	6.69	4.00	9.56	5.00	7.39	8.00
1149	0.42	0.57	0.99	0.82	3.97	3.60	2.12	7.67	4.00	9.69	5.00	7.67	8.00
1259	0.27	0.77	1.04	0.82	2.89	3.84	2.63	6.73	4.00	9.36	5.00	8.52	8.00
1129	0.51	0.51	1.02	0.82	4.05	4.46	1.87	8.51	8.00	10.38	10.00	3.95	4.00
1254	0.36	0.48	0.84	0.82	3.06	4.46	3.00	7.52	8.00	10.52	10.00	3.80	4.00
1038	......	......	......	......	3.87	6.28	3.53	10.15	10.00	13.69	11.00	2.21	2.00
1148	......	......	......	.....	5.13	5.61	2.97	10.74	10.00	13.71	11.00	2.17	2.00
1043	0.84	1.34	2.18	2.06	2.89	5.82	2.26	8.71	8.00	10.97	10.00	5.51	6.00
1073	0.96	1.16	2.12	2.06	5.69	2.64	2.51	8.33	8.00	10.84	10.00	1.62	1.50
1164	0.89	0.77	1.66	2.06	3.94	3.98	2.65	7.92	8.00	10.57	10.00	1.58	1.50
1037	0.62	0.66	1.28	0.82	3.83	3.16	3.00	6.99	7.00	9.99	8.00	1.99	1.00
1135	0.58	0.52	1.10	0.82	5.02	2.76	2.18	7.78	7.00	9.96	8.00	2.03	1.00
1036	......	......	......	......	3.68	6.46	3.95	10.14	10.00	14.09	11.00	2.08	2.00
1151	......	......	......	......	5.61	5.05	2.98	10.66	10.00	13.64	11.00	2.02	2.00
1071	1.40	2.08	3.48	3.30	4.73	3.32	2.50	8.05	8.00	10.55	9.00	7.22	7.00
1237	1.76	1.40	3.16	3.30	4.99	3.01	1.53	8.00	8.00	9.53	9.00	6.85	7.00

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
1075	Standard Fertilizer
1146	Standard Fertilizer
1134	Standard Guano for All Crops
1031	Standard Guano for All Crops
1250	Standard Guano for All Crops
1053	Standard Special for Potatoes
1147	Standard Special for Potatoes
1241	Standard Special for Potatoes
1160	Williams & Clark's Americus Ammoniated Bone Superphosphate
1161	Williams & Clark's Americus Corn Phosphate
1159	Williams & Clark's Americus High Grade Special
1162	Williams & Clark's Americus Potato Manure
1158	Williams & Clark's Royal Bone Phosphate for All Crops
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.
1335	All Soluble
1293	Armour's Blood, Bone and Potash
1294	Armour's Complete Potato Fertilizer
1323	Armour's Complete Potato Fertilizer
1337	Armour's Grain Grower
1321	Armour's High Grade Potato
1328	Fruit and Root Crop Special
1336	Wheat, Corn and Oat Special
	BOWKER FERTILIZER COMPANY, BOSTON, MASS.
1067	Bowker's Bone, Blood and Potash
1181	Bowker's Bone, Blood and Potash
1286	Bowker's Complete Manure for Potatoes and Vegetables
1062	Bowker's Corn Phosphate
1042	Bowker's Early Potato Manure
1066	Bowker's Farm and Garden Phosphate
1180	Bowker's Farm and Garden Phosphate
1186	Bowker's Fresh Ground Bone
1025	Bowker's Hill and Drill Phosphate
1183	Bowker's Hill and Drill Phosphate
1063	Bowker's Market Garden Fertilizer
1176	Bowker's Market Garden Fertilizer
1059	Bowker's Potash Bone
1178	Bowker's Potash Bone
1327	Bowker's Potash or Staple Phosphate
1044	Bowker's Potato and Vegetable Fertilizer
1114	Bowker's Potato and Vegetable Fertilizer
1064	Bowker's Potato and Vegetable Phosphate
1033	Bowker's 6% Potato Fertilizer
1065	Bowker's Square Brand Bone and Potash
1177	Bowker's Square Brand Bone and Potash
1310	Bowker's Superphosphate with Potash for Grass and Grain
1061	Bowker's Sure Crop Bone Phosphate
1179	Bowker's Sure Crop Bone Phosphate

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available.		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1075	0.68	1.38	2.06	2.06	5.74	2.83	2.36	8.57	8.00	10.93	10.00	1.57	1.50
1146	1.37	0.81	2.18	2.06	4.16	3.77	2.54	7.93	8.00	10.47	10.00	1.80	1.50
1134	0.54	0.68	1.22	1.03	5.18	2.64	2.24	7.82	8.00	10.06	10.00	2.11	2.00
1031	0.44	0.84	1.28	1.03	3.76	3.51	2.58	7.27	8.00	9.85	10.00	2.04	2.00
1250	0.56	0.48	1.04	1.03	5.64	2.32	2.05	7.96	8.00	10.01	10.00	2.08	2.00
1053	0.74	1.60	2.34	2.06	4.86	2.70	2.69	7.56	8.00	10.25	10.00	3.47	3.00
1147	1.50	0.78	2.28	2.06	4.10	3.68	2.36	7.78	8.00	10.14	10.00	3.17	3.00
1241	1.10	0.99	2.09	2.06	3.68	4.59	2.54	8.27	8.00	10.81	10.00	3.01	3.00
1160	1.32	1.20	2.52	2.50	6.12	2.77	2.22	8.89	9.00	11.11	11.00	2.10	2.00
1161	1.39	0.77	2.16	2.06	3.98	3.78	2.52	7.76	8.00	10.28	10.00	1.56	1.50
1159	1.88	1.50	3.38	3.30	6.03	1.82	1.98	7.85	8.00	9.83	9.00	6.91	7.00
1162	1.40	0.84	2.24	2.06	4.72	3.19	2.63	7.91	8.00	10.54	10.00	3.05	3.00
1158	0.58	0.56	1.14	1.03	5.21	2.56	2.13	7.77	8.00	9.90	10.00	1.91	2.00
1335	2.57	1.04	3.61	2.88	7.08	1.29	0.51	8.37	8.00	8.88	10.00	3.65	4.00
1293	2.39	1.88	4.27	4.11	6.61	1.86	0.77	8.47	8.00	9.24	10.00	7.99	7.00
1294	1.74	1.58	3.32	3.28	4.30	2.08	1.13	6.38	6.00	7.51	8.00	10.89	10.00
1323	1.50	1.70	3.20	3.28	4.19	2.15	1.20	6.34	6.00	7.54	8.00	10.49	10.00
1337	0.90	0.84	1.74	1.65	6.22	1.93	0.68	8.15	8.00	8.83	10.00	3.83	2.00
1321	0.46	1.12	1.58	1.65	6.82	2.04	1.25	8.86	8.00	10.11	10.00	10.89	10.00
1328	0.72	1.24	1.96	1.65	7.12	1.88	1.33	9.00	8.00	10.33	10.00	4.31	5.00
1336	......	0.65	0.65	0.82	6.42	2.60	1.40	9.02	7.00	10.42	9.00	1.07	1.00
1067	2.14	2.44	4.58	4.11	4.89	1.93	2.04	6.87	7.00	8.91	9.00	7.55	7.00
1181	1.74	2.86	4.60	4.11	5.02	1.79	1.49	6.81	7.00	8.30	9.00	7.13	7.00
1286	2.15	1.30	3.45	3.29	3.55	3.06	1.89	6.61	6.00	8.50	7.00	10.32	10.00
1062	0.60	1.32	1.92	1.65	5.96	2.60	2.55	8.56	8.00	11.11	9.00	2.05	2.00
1042	1.52	1.80	3.32	3.29	5.02	3.24	2.42	8.26	8.00	10.68	9.00	6.47	7.00
1066	1.26	0.88	2.14	1.65	4.10	2.97	2.96	7.07	8.00	10.03	9.00	2.36	2.00
1180	1.22	0.76	1.98	1.65	4.59	2.86	2.35	7.45	8.00	9.80	9.00	2.13	2.00
1186	......	......	2.58	2.47	......	......	.....	......	.....	23.40	22.80	......	......
1025	1.34	1.24	2.58	2.47	6.76	2.05	2.01	8.81	9.00	10.82	10.00	2.34	2.00
1183	1.49	1.28	2.77	2.47	5.61	2.97	2.50	8.58	9.00	11.08	10.00	2.29	2.00
1063	1.28	1.30	2.58	2.47	3.75	2.69	2.14	6.44	6.00	8.58	7.00	9.82	10.00
1176	1.52	1.02	2.54	2.47	4.02	2.65	1.70	6.67	6.00	8.37	7.00	9.01	10.00
1059	0.72	0.78	1.50	0.82	4.38	2.83	2.83	7.21	6.00	10.04	8.00	2.03	2.00
1178	0.81	0.48	1.29	0.82	5.58	2.33	1.86	7.91	6.00	9.79	8.00	2.02	2.00
1327	0.44	0.64	1.08	0.82	3.44	3.93	2.80	7.37	8.00	10.17	9.00	3.03	3.00
1044	1.26	1.30	2.56	2.47	6.53	2.26	1.76	8.79	8.00	10.55	10.00	4.81	4.00
1114	1.16	1.34	2.50	2.47	6.53	1.68	2.15	8.21	8.00	10.36	10.00	4.34	4.00
1064	0.76	1.28	2.04	1.65	5.74	2.60	2.42	8.34	8.00	10.76	9.00	2.00	2.00
1033	0.38	0.80	1.18	0.82	2.90	3.51	2.68	6.41	6.00	9.09	7.00	6.66	6.00
1065	0.92	0.80	1.72	1.65	1.20	4.80	4.51	6.03	6.00	10.54	7.00	1.83	2.00
1177	1.06	0.60	1.66	1.65	3.21	3.15	3.34	6.36	6.00	9.70	7.00	1.93	2.00
1310	......	......	......	......	6.85	4.46	1.73	11.31	10.00	13.04	11.00	2.02	2.00
1061	0.60	0.86	1.46	0.82	3.83	2.98	2.77	6.81	8.00	9.58	9.00	2.13	2.00
1179	0.52	0.46	0.98	0.82	5.53	2.80	1.86	8.33	8.00	10.19	9.00	1.77	2.00

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
1287	Monticello Grange Chemicals
1324	Special Potato Manure for the Grange
1057	Stockbridge's Corn
1060	Stockbridge's Seeding Down
1024	Stockbridge's Special Complete Potato and Vegetable Manure
1182	Stockbridge's Special Manure for Cabbage
1285	Stockbridge's Special Manure A for Potatoes
1058	Stockbridge's Top Dressing
	COE-MORTIMER COMPANY, NEW YORK, N. Y.
1101	E. Frank Coe's Celebrated Special Potato Fertilizer
1190	E. Frank Coe's Celebrated Special Potato Fertilizer
1272	E. Frank Coe's Celebrated Special Potato Fertilizer
1079	E. Frank Coe's Columbian Corn Fertilizer
1191	E. Frank Coe's Columbian Corn Fertilizer
1280	E. Frank Coe's Columbian Corn Fertilizer
1080	E. Frank Coe's Columbian Potato Fertilizer
1189	E. Frank Coe's Columbian Potato Fertilizer
1278	E. Frank Coe's Columbian Potato Fertilizer
1116	E. Frank Coe's Double Strength Potato Manure
1196	E. Frank Coe's Double Strength Potato Manure
1283	E. Frank Coe's Double Strength Potato Manure
1104	E. Frank Coe's Excelsior Potato Fertilizer
1273	E. Frank Coe's Excelsior Potato Fertilizer
1194	E. Frank Coe's Excelsior Potato Fertilizer
1108	E. Frank Coe's Famous Prize Brand Grain and Grass Fertilizer
1282	E. Frank Coe's Famous Prize Brand Grain and Grass Fertilizer
1087	E. Frank Coe's High Grade Ammoniated Superphosphate
1192	E. Frank Coe's High Grade Ammoniated Bone Superphosphate
1281	E. Frank Coe's High Grade Ammoniated Bone Superphosphate
1086	E. Frank Coe's High Grade Potato Fertilizer
1279	E. Frank Coe's High Grade Potato Fertilizer
1097	E. Frank Coe's New Englander Corn and Potato Fertilizer
1195	E. Frank Coe's New Englander Corn and Potato Fertilizer
1107	E. Frank Coe's Red Brand Excelsior Guano
1193	E. Frank Coe's Red Brand Excelsior Guano
1275	E. Frank Coe's Red Brand Excelsior Guano
1099	E. Frank Coe's Special Grass and Grain Fertilizer
1187	E. Frank Coe's Special Grass and Grain Fertilizer
	HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.
1315	Hubbard's Bone, Blood and Potash
1326	Hubbard's Bone, Blood and Potash
1316	Hubbard's Farmers' IXL
1311	Hubbard's Farmers' IXL Superphosphate
1312	Hubbard's Royal Ensign
1314	Hubbard's Soluble Bone and Potash
1313	Hubbard's Trucker's 5%

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available.		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1287	1.70	0.98	2.68	2.50	5.50	2.55	1.58	8.05	8.00	9.63	12.00	4.40	4.00
1324	1.08	0.64	1.72	1.65	6.79	2.33	0.89	9.12	9.00	10.01	12.00	12.15	12.00
1057	1.76	1.62	3.48	3.29	7.17	2.82	0.61	9.99	10.00	10.60	11.00	7.28	7.00
1060	1.40	1.30	2.70	2.47	3.87	2.71	1.95	6.58	6.00	8.53	9.00	9.62	10.00
1024	1.56	1.78	3.34	3.29	4.30	5.24	1.86	9.54	6.00	11.40	7.00	9.73	10.00
1182	3.92	1.72	5.64	4.93	2.25	3.08	2.45	5.33	4.00	7.78	6.00	6.03	6.00
1285	1.99	2.04	4.03	4.11	5.04	2.24	1.36	7.28	7.00	8.64	8.00	10.38	10.00
1058	3.54	1.50	5.04	4.93	1.99	3.62	2.44	5.61	4.00	8.05	6.00	6.37	6.00
1101	0.76	0.82	1.58	1.65	6.14	1.84	1.72	7.98	8.00	9.70	10.00	3.71	4.00
1190	1.07	0.76	1.83	1.65	5.85	3.01	1.10	8.86	8.00	9.96	10.00	3.92	4.00
1272	0.86	0.80	1.66	1.65	5.16	2.31	2.36	7.47	8.00	9.83	10.00	3.53	4.00
1079	0.46	0.84	1.30	1.23	4.32	5.44	2.75	9.76	8.50	12.51	10.50	2.31	2.50
1191	0.98	0.52	1.50	1.23	6.50	2.96	1.71	9.46	8.50	11.17	10.50	2.37	2.50
1280	0.70	0.58	1.28	1.23	4.30	5.09	3 26	8.70	8.50	11.96	10.50	2.24	2.50
1080	0.60	0.72	1.32	1.23	4.85	4.19	2.80	9.04	8.50	11.84	10.50	2.31	2.50
1189	0.88	0.49	1.37	1.23	5.79	3.66	1.33	9.45	8.50	10.78	10.50	2.38	2.50
1278	0.85	0.51	1.36	1.23	6.38	2.18	2.31	8.56	8.50	10.87	10.50	2.34	2.50
1116	2.45	1.17	3.62	3.70	4.30	2.63	2.28	6.93	7.06	9.21	8.50	8.06	10.00
1196	2.88	0.64	3.52	3.70	6.01	2.02	0.88	7.03	7.00	8.91	8.50	8.97	10.00
1283	2.82	0.84	3.66	3 70	5.88	2.01	1.28	7.89	7.00	9.17	8.50	8.74	10.00
1104	1.66	0.78	2.44	2.47	5.58	1.67	1.36	7.25	7.00	8.61	9.00	7.24	8.00
1273	1.65	0.80	2.45	2.47	3.38	4.45	1.48	7.83	7.00	9.31	9.00	6.81	8.00
1194	2.16	0.36	2.52	2.47	4.56	2.59	1.76	7.15	7.00	9.91	9.00	6.77	8.00
1108	......	......	......	......	4.94	5.06	4.35	10.00	10.50	14.35	12.00	1.51	2.00
1282	......	......	......	......	4.96	4.97	4.62	9.93	10.50	14.55	12.00	1.81	2.00
1087	0.95	0.75	1.70	1.85	5.74	2.95	2.42	8.69	9.00	11.11	11.00	2.47	2.25
1192	1.18	0.68	1.86	1.85	6.09	3.69	1.86	9.78	9.00	11.64	11.00	2.02	2.25
1281	0.90	0.76	1.66	1.85	5.82	3.30	2.42	9.12	9.00	11.54	11.00	2.17	2.25
1086	1.46	0.92	2.38	2.40	4.38	3.32	2.58	7.70	8.00	10.28	10.00	5.39	6.00
1279	1.42	1.06	2.48	2.40	4.89	3.02	2.31	7.91	8.00	10.22	10.00	4.95	6.00
1097	0.69	0.43	1.12	0.80	5.98	3.75	2.03	9.73	7.50	11.76	9.00	2.86	3.00
1195	0.63	0.56	1.19	0.80	4.42	3.93	1.53	8.35	7.50	9.88	9.00	2.85	3.00
1107	2.22	0.70	2.92	3.30	6.93	2.07	1.79	9.00	9.00	10.79	10.00	5.08	6.00
1193	2.36	0.76	3.12	3 30	6.76	1.57	2.11	8.33	9.00	10.44	10.00	5.10	6.00
1275	2.08	0.98	3.06	3.30	6.09	2.95	1.80	9.04	9.00	10.84	10.00	5.41	6.00
1099	0.44	0.60	1.04	0.80	5.13	5.50	3 00	10.63	8.50	13.63	10.00	1.62	1.50
1187	0.66	0.48	1.14	0.80	5.26	3.27	1.96	8.53	8.50	10.49	10.00	2.12	1.50
1315	2.82	0.56	3.38	3.29	5.23	2.20	0.89	7 43	8.00	8.32	9.00	7.91	7.00
1326	2.23	0.84	3.07	3.29	5.90	2.14	0.85	8.04	8.00	8.89	9.00	7.01	7.00
1316	0.97	0.75	1.72	1.65	7.49	1.51	2.03	9.00	8.00	11.03	9.00	2.49	2.00
1311	0.96	1.06	2.02	1 65	2.82	5.01	1.76	7.83	8.00	9.59	9.00	2.50	2.00
1312	1.59	0.71	2.30	2.47	6.25	2.34	0.73	8.59	8.00	9.32	9.00	4.57	4.00
1314	.....	......	......	......	2.26	7.22	1.96	9.48	10.00	11.44	......	1.84	2.00
1313	2.73	0.88	3.61	4.10	5.56	2.27	0.91	7.83	6.00	8.74	......	4.97	5.00

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
	JOHN WATSON COMPANY, HOULTON, MAINE.
1291	Watson's Improved High Grade Potato Manure
1292	Watson's Improved High Grade Potato Manure
	LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J.
1023	High Grade Special for Spring Crops
1078	High Grade Special for Spring Crops
1111	Lister's Animal Bone and Potash
1123	Lister's Animal Bone and Potash
1110	Lister's Oneida Special Fertilizer
1139	Lister's Oneida Special Fertilizer
1021	Lister's Potato Manure
1109	Lister's Potato Manure
1156	Lister's Pure Raw Bone Meal
1113	Lister's Special Corn Fertilizer
1137	Lister's Special Corn Fertilizer
1115	Lister's Special Potato Fertilizer
1140	Lister's Special Potato Fertilizer
1112	Lister's Success Fertilizer
1138	Lister's Success Fertilizer
1022	Lister's 10% Potato Grower
1088	Lister's 10% Potato Grower
	NATIONAL FERTILIZER COMPANY, BRIDGEPORT, CONN.
1297	Chittenden's Complete Root Fertilizer
1296	Chittenden's Excelsior Potato Fertilizer
1298	Chittenden's Market Garden Fertilizer
1322	Chittenden's Market Garden Fertilizer
	NEW ENGLAND FERTILIZER COMPANY, BOSTON, MASS.
1016	New England Complete Manure
1217	New England Complete Manure
1017	New England Corn and Grain Fertilizer
1222	New England Corn and Grain Fertilizer
1012	New England Corn Phosphate
1230	New England Corn Phosphate
1018	New England High Grade Potato Fertilizer
1225	New England High Grade Potato Fertilizer
1014	New England High Grade Special
1219	New England High Grade Special with 10% Potash
1305	New England Market Garden Manure
1015	New England Potato Fertilizer
1224	New England Potato Fertilizer
1009	New England Potato Grower
1019	New England Superphosphate
1223	New England Superphosphate
	PARMENTER & POLSEY FERTILIZER CO., PEABODY, MASS.
1299	A. A. Brand Fertilizer
1010	Aroostook Special

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available.		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1291	2.09	1.09	3.18	3.00	4.16	1.78	1.39	5.94	6.00	7.33	7.00	5.03	5.00
1292	1.95	1.08	3.03	3.00	4.51	1.64	1.25	6.15	6.00	7.40	7.00	5.00	5.00
1023	0.78	0.94	1.72	1.65	4.78	3.98	2.68	8.76	8.00	11.44	10.00	9.93	10.00
1078	0.85	0.89	1.74	1.65	4.70	3.31	3.51	8.01	8.00	11.52	10.00	9.54	10.00
1111	......	......	......	......	2.71	7.27	4.30	9.98	11.00	14.28	13.00	2.02	2.00
1123	......	......	......	......	3.30	6.81	4.12	10.11	11.00	14.23	13.00	2.17	2.00
1110	0.60	0.54	1.14	0.83	3.95	3.46	1.99	7.41	7.00	9.40	8.00	1.00	1.00
1139	0.85	0.50	1.35	0.83	5.69	2.77	1.98	8.46	7.00	10.44	8.00	2.01	1.00
1021	2.02	1.32	3.34	3.20	4.91	2.76	2.64	7.67	8.00	10.31	9.00	7.30	7.00
1109	2.04	1.38	3.42	3.20	6.09	1.81	2.38	7.90	8.00	10.28	9.00	7.03	7.00
1156	......	......	2.58	2.68	......	......	......	......	......	26.87	23.00	......	......
1113	0.85	1.13	1.98	1.65	2.65	4.35	4.88	7.00	8.00	11.88	9.00	3.04	3.00
1137	0.87	1.26	2.13	1.65	4.10	3.14	2.64	7.42	8.00	10.06	9.00	3.18	3.00
1115	0.78	1.10	1.88	1.65	2.33	3.77	4.90	6.10	8.00	11.00	9.00	2.58	3.00
1140	1.05	1.30	2.35	1.65	3.19	4.23	2.45	7.42	8.00	9.87	9.00	3.74	3.00
1112	0.64	0.86	1.50	1.30	5.77	3.44	2.82	9.21	9.00	12.03	11.00	2.06	2.00
1138	0.68	0.60	1.28	1.24	4.93	4.39	3.24	9.32	9.00	12.56	11.00	2.18	2.00
1022	1.83	1.40	3.23	3.29	1.75	3.73	3.24	5.48	6.00	8.72	7.00	10.59	10.00
1088	2.06	1.38	3.44	3.29	2.79	2.94	2.08	5.73	6.00	7.81	7.00	9.66	10.00
1297	1.62	1.76	3.38	3.30	4.94	2.85	1.91	7.79	8.00	9.70	10.00	7.77	6.00
1296	2.08	1.28	3.36	3.30	4.54	2.12	2.15	6.66	6.00	8.81	8.00	10.29	10.00
1298	1.47	1.02	2.49	2.40	2.65	3.40	2.49	6.05	6.00	8.54	8.00	5.61	5.00
1322	1.15	1.34	2.49	2.40	2.65	4.65	0.91	7.30	6.00	8.21	8.00	6.13	5.00
1016	1.92	1.38	3.30	3.28	4.56	2.74	1.16	7.30	6.00	8.46	7.00	9.77	10.00
1217	1.81	1.28	3.09	3.28	4.65	1.38	1.19	6.03	6.00	7.22	7.00	9.43	10.00
1017	0.82	0.42	1.24	1.23	5.01	2.11	2.36	7.12	7.00	9.48	8.00	2.00	2.00
1222	0.70	0.47	1.17	1.23	4.18	2.70	2.49	6.88	7.00	9.37	8.00	1.89	2.00
1012	0.94	0.78	1.72	1.64	5.66	1.85	1.39	7.65	8.00	9.04	9.00	3.09	3.00
1230	0.98	0.74	1.72	1.64	6.44	2.10	2.12	8.54	8.00	10.66	9.00	2.94	3.00
1018	1.09	1.18	2.27	2.46	4.72	3.31	3.30	8.03	8.00	11.33	9.00	6.24	6.00
1225	0.94	1.24	2.18	2.46	4.37	3.60	3.23	7.97	8.00	11.20	9.00	5.67	6.00
1014	1.86	2.02	3.88	3.69	3.55	2.82	3.02	6.37	7.00	9.39	8.00	10.05	10.00
1219	1.95	1.98	3.93	3.69	3.36	3.43	2.41	6.79	7.00	9.20	8.00	9.76	10.00
1305	1.78	2.26	4.04	4.10	3.00	3.21	4.09	6.21	7.00	10.30	8.00	5.93	7.00
1015	0.84	0.86	1.70	1.64	3.78	2.99	2.17	6.77	7.00	8.94	8.00	4.03	4.00
1224	0.70	0.78	1.48	1.64	3.89	3.09	1.50	6.98	7.00	8.48	8.00	4.08	4.00
1009	1.36	1.00	2.36	2.46	3.52	2.19	1.59	5.71	6.00	7.30	7.00	9.89	10.00
1019	1.24	1.18	2.42	2.46	6.53	4.35	1.30	10.88	8.00	12.18	10.00	4.27	4.00
1223	1.06	1.22	2.28	2.46	6.09	3.01	3.51	9.10	8.00	12.61	10.00	4.18	4.00
1299	2.27	1.66	3.93	4.10	5.28	1.86	1.53	7.14	7.00	8.67	8.00	8.43	8.00
1010	1.96	1.68	3.64	3.69	3.57	3.15	2.60	6.72	7.00	9.32	8.00	10.07	10.00

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
1308	Maine Potato Fertilizer
1013	Plymouth Rock Brand Fertilizer
1300	Plymouth Rock Brand Fertilizer
1011	Special Potato Fertilizer
	PORTLAND RENDERING COMPANY, PORTLAND, MAINE.
1184	Bone Dust Tankage
1309	Bone Dust Tankage
	R. T. PRENTISS COMPANY, HOULTON, MAINE.
1290	Prentiss Aroostook Complete
1306	Prentiss Aroostook Complete
1307	Prentiss Aroostook Standard
1289	Prentiss Aroostook Standard
	PROVINCIAL CHEMICAL FERTILIZER CO., ST. JOHN, N. B.
1304	10% Complete Potato
	P. H. REED, FORT FAIRFIELD, MAINE.
1317	Reed's Potato Grower
	RUSSIA CEMENT COMPANY, GLOUCESTER, MASS.
1325	Essex Complete Manure for Aroostook County Crops
1295	Essex Market Garden and Potato Manure
1301	Essex XXX Fish and Potash
	SAGADAHOC FERTILIZER COMPANY, BOWDOINHAM, MAINE.
1201	Acid Phosphate
1197	Aroostook Potato Manure
1198	Dirigo Grass and Grain
1200	Muriate of Potash
1199	Nitrate of Soda
1204	Sagadahoc High Grade Superphosphate
1205	Sagadahoc Special Potato Fertilizer
1206	XX Chemical Fertilizer Brand Clark's Mixture
1207	Yankee Fertilizer
1203	3-6 and 10 Fertilizer
1339	3-6 and 10 Fertilizer
1202	4-6-10 Fertilizer
1340	4-6-10 Fertilizer
	SWIFT'S LOWELL FERTILIZER COMPANY, BOSTON, MASS.
1007	Swift's Lowell Animal Brand
1227	Swift's Lowell Animal Brand
1008	Swift's Lowell Bone Fertilizer
1216	Swift's Lowell Bone Fertilizer for Corn and Grain
1002	Swift's Lowell Cereal Brand
1228	Swift's Lowell Cereal Brand
1003	Swift's Lowell Dissolved Bone and Potash
1218	Swift's Lowell Dissolved Bone and Potash
1214	Swift's Lowell Empress Brand
1006	Swift's Lowell Potato Grower
1226	Swift's Lowell Potato Grower
1001	Swift's Lowell Potato Manure
1004	Swift's Lowell Potato Phosphate
1220	Swift's Lowell Potato Phosphate

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1308	1.79	1.12	2.91	3.29	4.49	1.76	0.89	6.25	6.00	7.14	7.00	9.58	10.00
1013	1.18	1.42	2.60	2.47	5.10	2.71	3.51	7.81	8.00	11.32	9.00	3.72	4.00
1300	1.23	1.27	2.50	2.47	4.02	3.80	4.17	7.82	8.00	11.99	9.00	4.18	4.00
1011	1.70	1.26	2.96	3.29	4.18	3.71	1.56	7.89	8.00	9.45	9.00	7.18	7.00
1184	......	......	6.62	5.00	......	......	......	......	......	14.90	16.00	......	.....
1309	......	......	5.53	5.00	.....	.. ...	......	......	.....	15.88	16.00	......	......
1290	2.22	0.14	2.36	3.29	1.63	2.85	1.93	4.48	6.00	6.41	8.00	8.18	10.00
1306	1 80	0.62	2.42	3.29	1.67	3.85	1.73	5.52	6.00	7.25	8.00	9.48	10.00
1307	0.70	0.61	1.31	1.62	4.57	2.42	1.84	6.99	8.00	8.83	10.00	8.66	10.00
1289	0.82	0.80	1.62	1.62	3.19	4.54	1.02	7.73	8.00	8.75	10.00	10.09	10.00
1304	1.87	1.53	3.40	3.29	6.22	1.19	0.77	7.41	8.00	8.18	8.87	9.51	10.00
1317	1.61	1.46	3.07	3.29	5.91	2.01	1.11	7.92	7.00	9.03	8.00	8.13	8.00
1325	2.14	1.30	3.44	3.30	5.80	2.25	3.03	8.05	7.00	11.08	9.50	9.17	9.50
1295	0.70	1.38	2.08	2.00	2.65	4.44	5.79	7.09	8.00	12.88	10.00	5.47	5.00
1301	0.78	1.66	2.44	2.10	1.24	5.73	6.53	6.97	9.00	13.50	12.00	2.64	2.25
1201	......	......	......	......	11.06	5.89	0.28	16.95	16.00	17.23	17.00	......	......
1197	0.64	0.86	1.50	1.05	2.52	3.56	1.17	6.08	6.00	7.25	7.00	4.01	4.00
1198	0.36	0.84	1.20	0.85	3.43	3.43	2.38	6.86	6.00	9.24	9.00	3.33	3.00
1200	......	......	......	......	......	......	......	......	......	......	......	49.20	50.00
1199	14.32	.....	14.32	15.00	......	......	......	.....	......	......	......	......	......
1204	0.52	0.92	1.44	1.85	3.28	3.90	1.48	7.18	7.00	8.66	8.00	3.25	3.00
1205	1.38	0.66	2.04	2.00	3.25	3.48	0.89	6.73	7.00	7.62	8.00	7.77	8.00
1206	6.32	0.86	7.18	7.00	0.00	4.42	3.73	4.42	3.00	8.15	7.00	8.52	8.00
1207	0.51	0.21	0.72	0.40	4.02	3.43	0 82	7.45	7.00	8.27	8.00	2.41	2.00
1203	1.52	0.58	2.10	2.35	3.52	2.63	0.80	6.15	5.00	6.95	7.00	8.90	10.00
1339	1.00	1.88	2.38	2.35	4.21	3.63	1.39	7.84	5.00	9.83	7.00	9.34	10.00
1202	2.40	0.70	3 10	3.25	2.63	3.78	1.07	6.41	5.00	7.48	7.00	10.27	10.00
1340	1.16	1.98	3.14	3.25	4.14	2.46	1.98	6.60	5.00	8.58	7.00	9.77	10.00
1007	1.10	1.36	2.46	2.46	6.38	4.62	1.78	11.00	8.00	12.78	10.00	3.63	4.00
1227	1.15	1.22	2.37	2.46	6.38	2.15	3.68	8.53	8.00	12.21	10.00	4.21	4.00
1008	0.98	0.72	1.70	1.64	5.63	2.07	1.35	7.70	8.00	9.05	9.00	2.86	3.00
1216	0.87	0.78	1.65	1.64	5.90	1.67	1.66	7.57	8.00	9.23	9.00	2.80	3.00
1002	0.38	0.38	0.76	0.82	4.35	2.44	1.59	6.79	7.00	8.38	8.00	1.06	1.00
1228	0.50	0.50	1.00	0.82	4.85	2.05	1.58	6.90	7.00	8.48	8.00	1.53	1.00
1003	0.58	0.54	1.12	1.64	6.14	1.79	1.38	7.93	9.00	9.31	10.00	5.61	2.00
1218	0.98	0.76	1.74	1.64	5.98	2.15	2.01	8.13	9.00	10.14	10.00	2.66	2.00
1214	0.70	0.62	1.32	1.23	5.66	2.15	1.36	7.81	7.00	9.17	8.00	2 03	2.00
1006	2.04	1.36	3.40	3.28	4.32	1.59	0.85	5.91	6.00	6.76	7.00	9.87	10.00
1226	1.88	1.10	2.98	3.28	4.57	1.53	0.98	6.10	6.00	7.08	7.00	10.74	10.00
1001	0.82	0.86	1.68	1.64	3.97	2.73	1.81	6.70	7.00	8.51	8.00	4.13	4.00
1004	1.14	1.12	2.26	2.42	4.75	2.82	3.91	7.57	8.00	11.48	9.00	5.93	6.00
1220	1.03	1.15	2.18	2.42	4.69	3.57	3.45	8.26	8.00	11.71	9.00	6 21	6.00

Descriptive List of Station Samples, 1907.

Station number.	Manufacturer, place of business and brand.
1005	Swift's Lowell Superior Fertilizer with 10% Potash................
1221	Swift's Lowell Superior Fertilizer with 10% Potash................
	TUSCARORA FERTILIZER COMPANY, BALTIMORE, MD.
1318	Tuscarora Aroostook Special ....
1319	Tuscarora Complete Potato ....
1320	Tuscarora Trucker's Special ....
	WHITMAN & PRATT RENDERING COMPANY, LOWELL, MASS.
1330	Potash Special ....
1331	Potato Manure ....
1332	Vegetable Grower ....
1333	Whitman & Pratt's Corn Success......................................

Analysis of Station Samples, 1907

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
			Total.					Available.		Total.			
	Soluble in water.	Insoluble in water.	Found.	Guaranteed.	Soluble.	Reverted.	Insoluble.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.
	%	%	%	%	%	%	%	%	%	%	%	%	%
1005	1.84	2.24	4.08	3.69	3.14	2.81	3.12	5.95	7.00	9.07	8.00	9.75	10.00
1221	1.76	2.24	4.00	3.69	3.17	3.46	2.55	6.63	7.00	9.18	8.00	9.60	10.00
1318	1.24	1.28	2.52	2.47	5.01	2.01	1.44	7.02	7.00	8.46	8.00	8.79	8.00
1319	1.73	1.52	3.25	3.29	4.94	1.42	1.47	6.36	6.00	7.83	7.00	9.25	10.00
1320	2.19	1.66	3.85	4.12	7.25	1.17	0.89	8.42	8.00	9.31	9.00	6.93	7.00
1330	1.03	1.82	2.85	2.88	3.08	2.49	4.14	5.57	6.00	10.71	8.00	9.25	10.00
1331	0.44	1.54	1.98	2.45	4.43	3.16	4.97	7.59	7.00	12.56	9.00	4.18	5.00
1332	1.16	1.36	2.52	3.29	4.85	3.01	3.66	7.86	8.00	11.52	10.00	7.26	7.00
1333	0.41	1.41	1.82	1.64	5.90	2.39	3.67	8.29	8.00	11.96	10.00	3.10	3.00

Descriptive List of Manufacturer's Samples Licensed After March 1, 1907.

Station number.	Manufacturer, place of business and brand.
	BOWKER FERTILIZER COMPANY, BOSTON, MASS.
1838	Stockbridge Special Manure for Cabbage
	HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.
1938	Hubbard's Soluble Bone and Potash
1937	Hubbard's Trucker 5%
	NATIONAL FERTILIZER COMPANY, BRIDGEPORT, CONN.
1928	Chittenden's Aroostook Special Fertilizer
	WHITMAN & PRATT RENDERING COMPANY, LOWELL, MASS.
1939	Potash Special
1942	Potato Manure
1940	Vegetable Grower
1941	Whitman & Pratt's Corn Success

Analyses of Manufacturers' Samples Licensed After March 1, 1907.

Station number.	Nitrogen.				Phosphoric Acid.							Potash.	
	Soluble in water.	Insoluble in water.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.		
	%	%	%	%	%	%	%	%	%	%	%	%	%
1838	3.18	1.88	5.06	4.93	3.01	2.69	2.26	5.70	4.00	7.96	6.00	6.11	6.00
1938	......	......	......	......	10.34	1.58	0.13	11.92	10.00	12.05	......	2.30	2.00
1937	3.60	1.00	4.60	4.10	6.55	0.87	0.26	7.42	6.00	7.68	......	6.47	5.00
1928	2.46	1.72	4.18	4.11	5.77	2.60	1.39	8.37	7.00	9.76	8.00	7.89	7.00
1939	1.47	1.26	2.73	2.88	3.32	3.02	2.89	6.34	6.00	9.23	8.00	10.85	10.00
1942	1.34	1.01	2.35	2.45	2.44	4.81	1.28	7.25	7.00	8.53	9.00	5.41	5.00
1940	1.57	1.15	2.72	3.29	3.52	3.33	3.56	6.85	8.00	10.41	10.00	8.90	7.00
1941	0.90	0.87	1.77	1.64	4.61	3.26	2.54	7.87	8.00	10.41	10.00	3.30	3.00

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
A. A. C. Co. Aroostook Complete Manure......	1906	2.56	7.17	10.21
	1907	2.77	6.47	9.90
A. A. C. Co. Aroostook High Grade............	1906	4.35	8.15	6.31
	1907	4.36	7.05	6.63
Bradley's Alkaline Bone with Potash..........	1905	......	10.69	1.95
	1906	......	11.19	2.10
	1907	......	10.09	2.09
Bradley's Comp. Manure for potatoes and vegetables	1905	3.05	7.79	6.92
	1906	3.27	8.69	6.79
	1907	3.32	8.06	6.68
Bradley's Complete Manure with 10% Potash..	1905	3.32	5.56	9.66
	1906	3.36	7.03	9.79
	1907	3.30	6.39	9.76
Bradley's Corn Phosphate....................	1905	2.11	8.05	1.87
	1906	2.18	8.51	2.06
	1907	2.14	7.69	1.63
Bradley's Eureka Fertilizer..................	1905	1.10	8.42	2.36
	1906	1.19	8.55	2.14
	1907	1.23	9.09	2.19
Bradley's Niagara Phosphate..................	1905	1.10	6.50	1.27
	1906	1.19	9.14	1.97
	1907	1.29	8.91	2.26
Bradley's Potato Fertilizer..................	1905	1.96	7.74	3.41
	1906	2.10	9.46	3.04
	1907	2.25	7.52	3.22
Bradley's Potato Manure.....................	1905	2.56	6.84	5.26
	1906	2.60	6.76	5.01
	1907	2.71	7.20	5.93
Bradley's X. L. Superphosphate of Lime......	1905	2.33	8.69	2.22
	1906	2.55	9.26	2.40
	1907	2.72	9.04	2.26
Clark's Cove Bay State Fertilizer............	1905	2.32	9.39	2.33
	1906	2.58	8.95	2.57
	1907	2.66	9.07	2.34
Clark's Cove Bay State Fertilizer G. G........	1905	1.94	8.19	1.92
	1906	2.09	7.94	1.95
	1907	2.14	7.88	1.59
Clark's Cove Bay State Fertilizer for Seeding Down	1905	1.06	8.14	1.80
	1906	1.13	8.42	2.04
Clark's Cove Defiance Complete Manure.......	1905	1.06	6.29	1.43
	1906	1.39	8.04	2.29
	1907	1.22	7.25	1.62
Clark's Cove Great Planet Manure A. A.......	1905	3.24	7.05	6.64
	1906	3.39	8.01	7.60
	1907	3.40	8.46	7.02
Clark's Cove King Philip Alkaline Guano.....	1905	1.09	7.89	1.78
	1906	1.10	8.48	2.09
	1907	1.21	7.44	1.99

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Clark's Cove Potato Fertilizer	1905	2.03	8.13	2.99
	1906	2.05	8.26	3.36
	1907	2.18	7.67	3.35
Clark's Cove Potato Manure	1905	2.58	6.27	5.62
	1906	2.61	7.07	5.48
	1907	2.64	7.21	5.44
Cleveland Fertilizer for all Crops	1905	1.00	9.76	2.18
	1906	1.38	8.21	2.43
	1907	1.44	7.67	2.09
Cleveland High Grade Complete Manure	1905	3.07	6.34	6.62
	1906	2.95	8.16	7.91
	1907	3.40	7.88	6.75
Cleveland Potato Phosphate	1905	2.01	8.75	3.02
	1906	2.14	8.08	3.13
	1907	2.25	7.67	3.47
Cleveland Seeding Down Fertilizer	1906	1.11	8.31	2.10
Cleveland Superphosphate	1905	1.71	8.13	1.68
	1906	2.14	7.57	1.84
	1907	2.06	7.91	1.75
Complete Manure with 10% Potash	1905	3.26	5.70	10.79
	1906	3.17	6.42	9.85
Crocker's Ammoniated Corn Phosphate	1905	1.85	7.40	1.75
	1906	2.19	8.03	1.87
	1907	2.30	8.12	1.55
Crocker's Aroostook Potato Special	1905	2.01	7.45	5.95
	1906	2.00	8.69	5.90
	1907	2.20	7.99	7.09
Crocker's Grass and Oats Fertilizer	1905	......	9.89	2.10
	1906	......	10.58	2.14
	1907	......	10.10	2.06
Crocker's High Grade	1906	3.23	8.15	6.58
Crocker's New Rival Ammoniated Superphosphate	1905	1.13	7.97	1.98
	1906	1.31	8.28	2.30
	1907	1.27	7.96	2.44
Crocker's Potato, Hop and Tobacco	1905	2.04	8.07	2.97
	1906	2.04	7.99	3.10
	1907	2.28	8.08	3.39
Crocker's Special Potato Manure	1905	3.32	7.03	8.44
	1906	3.33	6.73	10.91
	1907	3.34	6.65	9.76
Cumberland Guano for all Crops	1905	1.40	7.90	2.05
	1906	1.04	8.79	2.29

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Cumberland Potato Fertilizer	1905	2.05	8.01	3.11
	1906	2.21	8.51	3.34
	1907	2.32	7.97	3.26
Cumberland Seeding Down Manure	1905	1.16	8.05	2.16
	1906	1.14	9.09	2.24
	1907	1.22	7.88	1.88
Cumberland Superphosphate	1905	1.91	7.31	1.54
	1906	2.12	7.87	2.43
	1907	1.92	7.65	1.80
Darling's Blood, Bone and Potash	1905	3.77	5.95	6.70
	1906	4.32	6.69	8.09
	1907	4.20	7.22	8.76
Fine Ground Bone	1907	2.52	......	22.92
Grass and Lawn Top Dressing	1905	4.80	4.86	3.32
	1906	4.93	5.84	2.62
Great Eastern General Fertilizer	1905	0.81	6.26	3.93
	1906	0.99	7.55	3.87
	1907	1.06	7.75	4.21
Great Eastern Grass and Oats Fertilizer	1905	......	10.06	2.19
	1906	......	10.61	2.06
	1907	......	10.43	2.38
Great Eastern High Grade Potato Manure	1905	3.21	6.43	9.72
	1906	3.48	7.38	10.13
	1907	3.44	5.60	9.63
Great Eastern Northern Corn Special	1905	2.05	7.67	1.81
	1906	2.39	8.80	2.06
	1907	2.16	8.00	1.92
Great Eastern Potato Manure	1905	2.10	7.60	3.18
	1906	2.10	8.30	3.32
	1907	2.04	8.34	3.24
Great Eastern Potato Special	1906	3.35	8.45	7.32
High Grade Fertilizer with 10% Potash	1905	2.48	5.63	9.68
	1906	2.61	6.48	10.26
	1907	2.83	5.93	9.52
Lazaretto Aroostook Potato Guano	1905	0.84	7.03	4.11
	1906	0.98	8.30	4.06
Lazaretto Corn Guano	1905	2.28	7.48	2.37
	1906	2.16	7.42	2.37
	1907	1.88	8.24	2.26
Lazaretto High Grade Potato Manure	1905	3.02	5.00	10.13
	1906	3.38	6.10	10.58
	1907	3.42	6.65	9.84

Summary of results of analyses of Station samples for the years *1905, 1906 and 1907.*

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Lazaretto Propeller Potato Guano	1905	1.73	8.32	5.81
	1906	2.05	8.16	5.62
	1907	2.30	7.30	6.40
Nitrate of Soda	1907	14.92	......	......
Northern Maine Potato Special	1907	3.82	7.05	9.12
Otis' Potato Fertilizer	1905	2.07	7.20	3.05
	1906	2.03	8.46	3.11
Otis' Seeding Down Fertilizer	1905	1.10	7.46	2.14
	1906	1.17	8.54	2.22
Otis' Superphosphate	1905	2.06	7.42	1.78
	1906	2.23	9.19	1.96
Pacific Dissolved Bone and Potash	1905	......	8.93	2.00
	1906	......	10.29	2.08
	1907	......	10.52	2.12
Pacific Grass and Grain Fertilizer	1905	0.82	7.94	1.22
	1906	1.16	8.96	1.51
	1907	1.37	6.75	1.99
Pacific High Grade General Fertilizer	1905	3.09	7.23	7.33
	1906	3.17	8.34	7.07
	1907	3.50	8.31	6.78
Pacific Nobsque Guano	1905	1.10	7.49	1.96
	1906	1.12	8.50	2.29
	1907	1.30	7.40	2.13
Pacific Potato Special	1905	1.95	7.72	3.19
	1906	2.07	7.55	3.42
	1907	2.21	7.61	3.28
Packer's Union Animal Corn Fertilizer	1905	2.36	8.94	2.35
	1906	2.50	9.26	2.38
	1907	2.60	8.70	2.37
Packer's Union Economical Vegetable Guano	1905	1.26	6.09	3.80
	1906	1.37	6.66	4.49
	1907	1.52	8.09	3.90
Packer's Union Gardeners' Complete Manure	1905	2.25	5.48	8.65
	1906	2.47	6.67	10.26
	1907	2.64	6.21	9.53
Packer's Union High Grade	1906	3.25	8.48	7.27
Packer's Union Potato Manure	1905	1.92	8.21	5.44
	1906	2.21	9.12	6.40
	1907	2.29	7.68	6.47
Packer's Union Universal Fertilizer	1905	0.69	6.68	4.07
	1906	1.24	8.25	4.18
	1907	1.10	8.05	4.11

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Packer's Union Wheat, Oats and Clover Fertilizer	1906	......	11.16	2.45
	1907	......	10.91	2.10
Quinnipiac Climax Phosphate for all Crops	1905	1.13	7.16	1.94
	1906	1.18	8.60	2.05
	1907	1.16	8.05	1.82
Quinnipiac Corn Manure	1905	1.86	8.05	1.71
	1906	2.13	8.63	2.23
	1907	2.21	7.85	1.85
Quinnipiac Market Garden Manure	1905	3.17	9.18	6.48
	1906	3.33	8.16	7.28
	1907	3.22	8.00	6.62
Quinnipiac Mohawk Fertilizer	1905	0.88	6.80	1.29
	1906	1.22	8.39	2.29
	1907	1.22	7.10	1.57
Quinnipiac Potato Manure	1905	2.56	6.13	5.25
	1906	2.59	7.54	5.05
	1907	2.71	6.97	6.19
Quinnipiac Potato Phosphate	1905	2.09	7.58	2.80
	1906	2.08	8.84	3.35
	1907	2.29	7.66	3.17
Read's Farmers' Friend Superphosphate	1905	2.10	8.05	3.03
	1906	2.03	8.42	3.76
	1907	2.28	7.80	3.40
Read's High Grade Farmers' Friend	1905	3.32	5.08	11.68
	1906	3.31	6.55	7.38
	1907	3.26	6.38	10.04
Read's Potato Manure	1905	2.42	5.38	9.48
	1906	2.59	6.10	9.76
	1907	2.53	6.58	9.67
Read's Practical Potato Special	1905	1.52	4.21	8.01
	1906	1.05	5.87	6.65
	1907	1.10	7.03	7.86
Read's Standard Superphosphate	1905	1.06	7.14	4.03
	1906	1.00	7.92	3.95
	1907	0.93	8.01	3.87
Read's Sure Catch Fertilizer	1905	......	10.46	2.08
	1906	......	9.69	2.06
	1907	......	10.44	2.19
Read's Vegetable and Vine Fertilizer	1905	1.86	7.37	6.06
	1906	2.12	8.34	5.16
	1907	2.18	8.71	5.51
Soluble Pacific Guano	1905	2.26	8.17	1.51
	1906	2.10	8.25	1.99
	1907	1.89	8.12	1.60
Standard A. Brand	1905	1.40	6.34	2.20
	1906	1.19	8.03	1.67
	1907	1.19	7.38	2.01

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Standard Bone and Potash	1905	......	8.83	2.07
	1906	......	10.79	2.03
	1907	......	10.40	2.05
Standard Complete Manure	1905	3.20	7.90	6.45
	1906	3.38	8.19	7.38
	1907	3.32	8.03	7.03
Standard Fertilizer	1905	1.87	8.07	1.73
	1906	2.24	7.97	1.86
	1907	2.12	8.25	1.68
Standard Guano for all Crops	1905	1.11	7.94	1.90
	1906	1.22	8.18	2.14
	1907	1.18	7.68	2.08
Standard Special for Potatoes	1905	1.99	7.84	2.94
	1906	2.14	8.22	3.07
	1907	2.24	7.87	3.22
Williams & Clark's Americus Ammoniated Bone Superphosphate	1905	2.37	8.86	1.97
	1906	2.43	9.29	2.25
	1907	2.52	8.89	2.10
Williams & Clark's Americus Corn Phosphate	1905	1.89	8.67	1.60
	1906	2.18	8.14	1.97
	1907	2.16	7.76	1.56
Williams & Clark's Americus High Grade Special	1905	3.06	6.80	6.87
	1906	3.30	8.55	7.15
	1907	3.38	7.85	6.91
Williams & Clark's Americus Potato Manure	1905	1.99	7.71	2.93
	1906	2.05	8.11	3.24
	1907	2.24	7.91	3.05
Williams & Clark's Royal Bone Phosphate for all Crops	1905	1.16	7.88	2.34
	1906	1.16	7.93	2.18
	1907	1.14	7.77	1.91
Armour's All Soluble	1906	2.71	9.44	4.02
	1907	3.61	8.37	3.65
Armour's Bone, Blood and Potash	1906	3.90	7.94	8.39
	1907	4.27	8.47	7.90
Armour's Complete Potato Fertilizer	1907	3.26	6.36	10.69
Armour's Fruit and Root Crop Special	1906	1.86	8.34	5.77
	1907	1.96	9.00	4.31
Armour's Grain Grower	1906	1.67	8.46	2.05
	1907	1.74	8.15	3.83
Armour's High Grade Potato Fertilizer	1906	1.61	8.42	9.86
	1907	1.58	8.86	10.89
Armour's Wheat, Corn and Oats Special Fertilizer	1906	0.92	8.10	1.03
	1907	0.65	9.02	1.07
Bowker's Bone, Blood and Potash	1905	3.88	6.10	6.37
	1906	4.02	7.60	7.01
	1907	4.59	6.84	7.34

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Bowker's Bone and Potash Square Brand.....	1905	1.78	7.26	2.01
	1906	2.04	7.85	2.29
	1907	1.69	6.19	1.88
Bowker's Complete Manure for Potatoes and Vegetables	1907	3.45	6.61	10.32
Bowker's Corn Phosphate....................	1905	1.86	7.66	2.37
	1906	2.01	7.78	2.45
	1907	1.92	8.56	2.05
Bowker's Early Potato Manure...............	1905	3.01	7.85	6.65
	1906	3.36	7.66	7.56
	1907	3.32	8.26	6.47
Bowker's Farm and Garden Phosphate........	1905	1.85	7.61	2.26
	1906	1.88	8.04	2.27
	1907	2.06	7.27	2.24
Bowker's Fresh Ground Bone.................	1907	2.58	......	......
Bowker's Hill and Drill Phosphate...........	1905	2.43	8.86	2.23
	1906	2.44	9.28	2.33
	1907	2.67	8.69	2.31
Bowker's Market Garden Fertilizer...........	1905	2.27	5.71	9.32
	1906	2.77	6.61	9.90
	1907	2.56	6.55	9.41
Bowker's Potash Bone........................	1905	1.02	8.17	1.72
	1906	1.16	8.81	2.11
	1907	1.39	7.56	2.03
Bowker's Potash or Staple Phosphate.........	1905	1.04	8.21	2.88
	1906	1.19	8.28	3.34
	1907	1.08	7.37	3.03
Bowker's Potato and Vegetable Fertilizer.....	1905	2.17	8.14	4.60
	1906	2.58	8.76	4.35
	1907	2.53	8.50	4.57
Bowker's Potato and Vegetable Phosphate.....	1905	1.89	7.96	2.14
	1906	1.71	8.77	2.16
	1907	2.04	8.34	2.00
Bowker's Six Per Cent Potato Fertilizer.......	1905	0.82	6.27	5.67
	1906	1.29	7.62	6.34
	1907	1.18	6.41	6.66
Bowker's Superphosphate of Potash for Grass and Grain	1905	......	10.35	1.80
	1906	......	10.40	1.89
	1907	......	11.31	2.02
Bowker's Sure Crop Phosphate...............	1905	1.17	7.80	1.86
	1906	1.34	8.57	2.15
	1907	1.22	7.57	1.95
Bowker's Ten Per Cent Manure..............	1905	0.82	5.53	10.75
	1906	1.03	6.95	7.80

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Monticello Grange Chemicals	1905	2.34	8.16	4.32
	1906	2.52	8.22	4.01
	1907	2.68	8.05	4.40
Special Potato Manure for the Grange	1905	1.44	9.08	11.02
	1906	1.79	9.06	12.06
	1907	1.72	9.12	12.15
Stockbridge's Special Manure for Cabbage	1907	5.64	5.33	6.03
Stockbridge's Special Manure A for Potatoes	1907	4.03	7.28	10.38
Stockbridge's Special Manure for Corn (Class D 107)	1905	2.96	10.54	6.36
	1906	3.55	9.02	†6.12
	1907	3.48	9.99	7.28
Stockbridge's Special Manure for the Grass (Class F 56)	1906	4.91	6.02	6.20
	1907	5.04	5.61	6.37
Stockbridge's Special Manure for Potatoes (Class D 610)	1905	3.20	5.03	10.10
	1906	3.11	6.15	9.74
	1907	3.34	9.54	9.73
Stockbridge's Special Manure for Seeding Down (Class C 610)	1905	3.10	7.76	10.11
	1906	2.45	7.01	10.40
	1907	2.70	6.58	9.62
E. Frank Coe's Celebrated Special Potato Fertilizer	1905	2.04	7.32	4.11
	1906	1.72	8.22	3.92
	1907	1.69	8.10	3.72
E. Frank Coe's Columbian Corn Fertilizer	1905	1.64	7.30	2.93
	1906	1.57	8.16	2.78
	1907	1.36	9.31	2.32
E. Frank Coe's Columbian Potato Fertilizer	1905	1.80	8.62	2.70
	1906	1.42	8.68	2.73
	1907	1.35	9.02	2.34
E. Frank Coe's Double Strength Potato Manure	1907	3.60	7.28	8.59
E Frank Coe's Excelsior Potato Fertilizer	1905	2.68	6.84	8.53
	1906	2.59	7.30	8.38
	1907	2.47	7.41	6.94
E. Frank Coe's Grass and Grain Special Fertilizer	1905	1.08	8.99	1.80
	1906	1.09	9.01	1.66
	1907	1.09	9.58	1.87
E. Frank Coe's High Grade Ammoniated Bone Superphosphate	1905	2.42	8.52	2.59
	1906	2.18	9.11	2.77
	1907	1.74	9.20	2.22
E. Frank Coe's High Grade Potato Fertilizer	1905	2.70	*8.05	6.02
	1906	2.61	8.34	5.68
	1907	2.43	7.80	5.17
E. Frank Coe's New Englander Corn Fertilizer	1905	1.48	8.07	3.17
	1906	1.49	8.27	4.02

† Guarantee changed in 1906.

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
E. Frank Coe's New Englander Corn and Potato Fertilizer	1907	1.15	9.04	2.86
E. Frank Coe's New Englander Potato Fertilizer	1905	1.52	6.96	3.24
	1906	1.30	7.39	3.27
E. Frank Coe's Prize Brand Grain and Grass	1905	......	8.11	2.01
	1906	......	11.05	1.87
	1907	......	9.96	1.66
E. Frank Coe's Red Brand Excelsior Guano	1905	3.13	8.40	5.94
	1906	3.24	8.80	6.45
	1907	3.03	8.79	5.20
E. Frank Coe's Standard Grade Ammoniated Bone Superphosphate	1905	1.82	8.39	2.22
	1906	1.49	9.26	2.37
Dexter Special Potato Manure	1906	3.47	7.35	9.87
Hubbard's Bone, Blood and Potash	1905	2.91	7.97	7.51
	1906	3.41	7.89	7.34
	1907	3.22	7.73	7.41
Hubbard's Farmers' I. X. L. Superphosphate	1905	1.76	7.52	2.26
	1906	2.17	8.07	2.18
	1907	1.87	8.41	2.50
Hubbard's Royal Ensign	1905	2.10	7.72	4.81
	1906	2.41	7.04	4.02
	1907	2.30	8.59	4.57
Hubbard's Soluble Bone and Potash	1907	......	9.48	1.84
Hubbard's Trucker's 5%	1907	3.61	7.83	4.97
Watson's Improved High Grade Potato Manure	1905	2.84	5.83	5.11
	1906	3.17	7.24	5.24
	1907	3.10	6.04	5.02
Lister's Animal Bone and Potash	1905	......	10.42	1.96
	1906	......	10.50	2.06
	1907	......	10.04	2.09
Lister's High Grade Special for Spring Crops	1905	1.59	7.88	9.45
	1906	1.81	8.20	8.81
	1907	1.73	8.38	9.73
Lister's Oneida Special	1905	0.98	5.84	2.44
	1906	1.33	7.99	1.73
	1907	1.24	7.93	1.50
Lister's Potato Manure	1905	3.11	7.21	8.11
	1906	3.21	8.38	6.47
	1907	3.38	7.78	7.16
Lister's Pure Raw Bone Meal	1907	2.58	......	......
Lister's Special Corn Fertilizer	1905	1.64	7.50	3.03
	1906	1.99	7.91	3.20
	1907	2.05	7.21	3.11

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Lister's Special Potato Fertilizer	1905	1.57	7.65	2.94
	1906	1.90	7.85	2.95
	1907	2.11	6.76	3.16
Lister's Success Fertilizer	1905	1.28	8.63	1.94
	1906	1.39	9.42	2.47
	1907	1.39	9.26	2.12
Lister's 10% Potato Grower	1906	3.18	6.62	10.38
	1907	3.33	5.60	10.12
Chittenden's Complete Root Fertilizer	1905	3.14	7.86	6.79
	1906	3.14	8.12	7.67
	1907	3.38	7.79	7.77
Chittenden's Eureka Potato Fertilizer	1906	3.19	6.77	10.37
Chittenden's Excelsior Potato Fertilizer	1906	3.48	5.25	10.44
	1907	3.36	6.66	10.29
Chittenden's Market Garden Fertilizer	1905	2.48	6.72	5.50
	1906	2.30	6.62	5.11
	1907	2.49	6.67	5.87
New England Complete Manure	1905	3.04	8.11	9.40
	1906	3.31	7.16	8.30
	1907	3.19	6.66	9.60
New England Corn and Grain Fertilizer	1905	1.34	7.32	2.34
	1906	1.29	7.21	2.17
	1907	1.20	7.00	1.94
New England Corn Phosphate	1905	1.50	8.37	3.00
	1906	1.75	8.35	3.10
	1907	1.72	8.09	3.01
New England High Grade Potato Fertilizer	1905	2.38	7.60	6.12
	1906	†2.41	8.41	6.44
	1907	2.22	8.00	5.95
New England High Grade Special with 10% Potash	1905	3.72	7.31	10.63
	1906	3.38	8.19	9.78
	1907	3.90	6.58	9.90
New England Market Garden Manure	1906	4.16	9.16	5.39
	1907	4.04	6.21	5.93
New England Potato Fertilizer	1905	1.57	7.18	4.27
	1906	1.92	8.06	4.23
	1907	1.59	6.87	4.05
New England Potato Grower	1906	2.28	7.18	9.74
	1907	2.36	5.71	9.89
New England Superphosphate	1905	2.06	8.59	4.15
	1906	2.42	9.87	3.93
	1907	2.35	9.99	4.22
Excelsior Potato Fertilizer	1905	3.13	6.87	11.62
	1906	3.41	6.37	9.73

† Guarantee changed in 1906.

Summary of results of analyses of Station samples for the years *1905, 1906 and 1907.*

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
P. & P. A. A. Brand	1905	4.14	7.26	7.82
	1906	3.98	8.23	8.24
	1907	3.93	7.14	8.43
P. & P. Aroostook Special	1905	3.44	6.82	10.13
	1906	†3.53	8.27	9.67
	1907	3.64	6.72	10.07
P. & P. Grain Grower	1906	1.01	7.48	2.30
Maine Potato Fertilizer	1907	2.91	6.25	9.58
P. & P. Potato Fertilizer	1906	1.66	6.83	4.90
Plymouth Rock Brand Fertilizer	1905	2.34	8.05	4.32
	1906	2.37	8.69	4.08
	1907	2.55	7.82	3.95
P. & P. Special Potato Fertilizer	1905	3.00	8.06	7.37
	1906	3.07	9.03	7.34
	1907	2.96	7.89	7.18
Star Brand Superphosphate	1905	1.66	6.63	3.32
	1906	1.52	7.53	2.62
Bone Dust Tankage	1907	6.07	......	......
Prentiss Aroostook Complete Fertilizer	1906	3.20	6.78	9.97
	1907	2.39	5.00	8.83
Prentiss Aroostook Special	1906	2.67	8.79	8.44
Prentiss Aroostook Standard	1906	2.19	9.12	5.11
	‡1907	1.46	7.36	9.37
Tuscarora Fruit and Potato Fertilizer	1906	1.59	8.46	9.32
Tuscarora Aroostook Special	1907	2.52	7.02	8.79
Tuscarora Complete Potato	1907	3.25	6.36	9.25
Tuscarora Trucker's Special	1907	3.85	8.42	6.93
Provincial Ten Per Cent Aroostook Complete Potato	1905	2.73	8.63	10.35
	1906	3.10	7.27	9.62
	1907	3.40	7.41	9.51
Provincial Special Potato Phosphate	1905	2.08	8.04	5.10
	1906	†2.39	7.28	6.25
Read's Potato Grower	1906	3.35	5.83	6.77
	1907	3.07	7.92	8.13
Essex A. 1 Superphosphate	1905	1.06	5.06	2.34
	1906	1.16	6.06	2.19
Essex Complete Manure for Aroostook County Crops	1906	3.37	9.34	9.58
	1907	3.44	8.05	9.17

‡ Guarantee changed in 1907.

Summary of results of analyses of Station samples for the years *1905, 1906 and 1907.*

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Essex Market Garden and Potato Manure	1905	2.00	7.11	5.56
	1906	1.89	7.42	5.95
	1907	2.08	7.09	5.47
Essex XXX Fish and Potash	1905	2.10	6.94	2.28
	1906	2.28	6.81	2.57
	1907	2.44	6.97	2.64
Acid Phosphate	1907	......	16.95	......
Sagadahoc Aroostook Potato Manure	1905	1.08	5.24	5.56
	1906	1.29	6.96	3.39
	1907	1.50	6.08	4.01
Dirigo Grass and Grain Fertilizer	1905	0.57	7.09	2.41
	1906	0.87	6.96	5.18
	1907	1.20	6.86	3.33
Muriate of Potash	1907	......	......	49.20
Nitrate of Soda	1907	14.32	......	......
Sagadahoc High Grade Superphosphate	1905	1.68	8.51	4.71
	1906	1.62	8.94	3.52
	1907	1.44	7.18	3.25
Sagadahoc Special Potato Fertilizer	1905	2.06	6.68	8.22
	1906	1.83	8.91	7.52
	1907	2.04	6.73	7.77
Sagadahoc XX Chemical Fertilizer	1905	7.44	4.54	8.26
	1906	†8.02	7.79	8.07
	1907	7.18	4.42	8.52
Yankee Fertilizer	1905	0.60	8.25	2.01
	1906	0.74	9.37	2.38
	1907	0.72	7.45	2.41
3-6-10 Fertilizer	1906	2.11	8.38	9.34
	1907	2.24	6.99	9.12
4-6-10 Fertilizer	1907	3.12	6.50	10.02
Sanborn's Special Potato Fertilizer	1906	3.19	9.19	10.51
Scientific Potato and Vegetable Fertilizer	1905	3.30	7.10	6.45
	1906	3.87	7.22	7.43
Swift's Lowell Animal Brand	1905	2.18	9.37	4.03
	1906	2.37	10.66	4.22
	1907	2.41	9.76	3.92
Swift's Lowell Bone Fertilizer	1905	1.67	8.80	2.97
	1906	1.78	9.24	3.22
	1907	1.67	7.63	2.83
Swift's Lowell Cereal Fertilizer	1905	0.82	6.44	0.95
	1906	0.86	7.21	1.19
	1907	0.88	6.84	1.29

† Guarantee changed in 1906.

Summary of results of analyses of Station samples for the years 1905, 1906 and 1907.

Name of Fertilizer.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Swift's Lowell Dissolved Bone and Potash....	1905	1.59	8.10	2.24
	1906	1.61	10.42	2.10
	1907	1.43	8.03	4.23
Swift's Lowell Empress Brand...............	1905	1.24	7.37	2.16
	1906	1.32	7.50	2.15
	1907	1.32	7.81	2.03
Swift's Lowell Potato Grower................	1906	3.11	7.29	10.55
	1907	3.19	6.00	10.30
Swift's Lowell Potato Manure................	1905	1.64	7.31	3.90
	1906	1.72	8.61	4.65
	1907	1.68	6.70	4.13
Swift's Lowell Potato Phosphate.............	1905	2.30	7.55	6.00
	1906	2.40	8.19	6.13
	1907	2.22	7.91	6.06
Swift's Lowell Superior Fertilizer with 10% Potash	1905	3.69	7.14	11.99
	1906	3.30	8.85	10.04
	1907	4.04	6.29	9.67
Whitman and Pratt's Vegetable Grower......	1906	3.53	9.21	6.56
	1907	2.52	7.86	7.26
Whitman and Pratt's Potash Special..........	1906	2.38	9.23	10.49
	1907	2.85	5.57	9.25
Whitman and Pratt's Potato Manure..........	1907	1.98	7.59	4.18
Whitman and Pratt's Corn Success...........	1907	1.82	8.29	3.10

FREE ANALYSIS OF FOODS, FEEDS, FERTILIZERS, AND SEEDS.

The Station takes pains to obtain for analysis samples of all brands of fertilizers and feeding stuffs coming under the law. It also draws samples of agricultural seeds and foods in the hands of dealers. The co-operation of dealers and consumers is, however, essential for the full and timely protection of their interests.

Foods. Dealers and consumers are invited to send by prepaid express original and unbroken packages of food materials on sale in Maine of whose purity they are for any reason suspicious. Special directions for sending goods from opened packages will be sent on request. As prompt free analysis will be made of such samples as circumstances will allow.

Feeding Stuffs. The Station will promptly analyze samples of feeding stuffs sold in Maine taken in accordance with directions which will be furnished on application. The results will be promptly reported without charge to interested parties. This applies to dealers and consumers alike.

Commercial Fertilizers. It is difficult to draw accurate samples of commercial fertilizers. On this account it is only in rare instances that the Station undertakes analyses of fertilizers other than the samples collected by its representative. In case there is special reason for an examination, the Station invites correspondence on the subject.

Agricultural Seeds. Samples of agricultural seeds on sale in Maine, taken in accordance with directions which can be obtained on application to the Station, will be examined as promptly as possible and the results reported free of charge.

In all cases samples should be accompanied by a full description of the goods, including the name and address of the dealer and the sender. Small samples other than liquids can be forwarded by mail. Others should be forwarded by express, charges prepaid.

All correspondence relative to the laws regulating the sale of food and drugs, feeding stuffs, fertilizers, seeds and creamery glassware, should be addressed to

Director CHAS. D. WOODS,
Orono, Maine.

Bulletin 145, Food Inspection, Maple Goods, was issued in September, 1907, and contained the results of the analyses of maple sugars and syrups collected by the inspector in 1907. It was sent to Maine dealers, to the Official mailing list and to Libraries. Copies will be sent to any resident of Maine on application.

CHAS. D. WOODS, *Director.*